**Assignment 8.2 WhatABook Database Modeling and Scripts**

**Instructions**

**Special note**: The queries you write in this project should be saved to a file named <groupName>-<projectName>.js and added to your GitHub repository under a folder called whatabook. Use standard programming comments above each query to explain what the query is doing. In addition, do not forget code attribution.

I highly recommend having one person from your group create a GitHub repository and provide access to the other members on your team as “contributors.” This way, everyone can contribute to a single database script and push their work to GitHub.

1. Create an ORD to represent the WhatABook database. Save the ORD as an image and add it to each group members personal portfolio website under the “Database Diagrams” page.
2. Convert the ORD into a NoSQL Data Structure.
3. Create a script (see the naming requirements under the “Special note” section) to build the appropriate collections and to populate them with data.
   1. **Special note**. If you are not sure what I am looking for here, refer back to the scripts I provided for week 4 and 6 (users.js and houses.js). Make sure you include statements to drop the collections before building them. I should be able to run your script from mongosh to create and populate the proposed database solution (just like you did with the teams.js and users.js files).
4. Write a query to display a list of books.
5. Write a query to display a list of books by genre.
6. Write a query to display a list of book by author.
7. Write a query to display a book by bookId.
8. Begin working on your Python console application (this will be due by the end of week 9). Requirements for the console application were documented in the WhatABook Requirements document.